

[54] **PROCESS FOR PREPARING A POLYMER COMPOSITION**

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[*] Notice: The portion of the term of this patent subsequent to Mar. 23, 1999, has been disclaimed.

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[58] Field of Search 204/159.16, 159.17, 204/159.22, 159.15; 424/81, 78, 22

[56] References Cited

U.S. PATENT DOCUMENTS

3,577,512	5/1971	Shepherd et al.	424/81
3,767,790	10/1973	Gutttag	424/81
3,900,559	8/1975	Sim et al.	424/22
3,901,966	8/1975	Sim et al.	424/81
3,901,967	8/1975	Cohen et al.	424/22
3,901,968	8/1975	Cohen et al.	424/22
4,025,391	5/1977	Kawashima et al.	204/159.22

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[57] ABSTRACT

A polymer composition containing a physiologically active substance which can be released at a controlled rate is prepared by contacting one or more polymerizable monomers with the physiologically active substance, making the monomers into a specific shape and then irradiating the shaped article with light or an ionizing radiation at a low temperature below room temperature to polymerize the polymerizable monomers.

2 Claims, No Drawings